

REMARKS

Claims 1-28 are pending in the application. Of these claims, claims 1, 3-15, and 17-28 stand rejected and claims 2 and 16 stand objected to. This communication amends claims 1, 15 and 27 and cancels claims 2, 16, and 28.

The drawings stand objected to because the specification allegedly does not address the bottom half of Figure 2. The Office Action states that a proposed drawing correction or corrected drawings are required in response to the Office Action to avoid abandonment of the application. This requirement is not understood and is believed to be improper because a drawing correction will not correct the specification.

In any case, lines 13-20 on page 11 do clearly address Figure 2 in a manner which would enable one of ordinary skill in the art to understand the subject matter disclosed in Figure 2. Accordingly, no correction of the specification should be required. In view of the foregoing, withdrawal of this objection is respectfully urged.

The disclosure is objected to because the abstract of the disclosure exceeds 150 words and does not end with a period (.). In addition, the acronym DSPCPU is not written in full in the specification.

In response, the abstract and the specification have been amended to correct these deficiencies. Accordingly, withdrawal of this objection is respectfully urged.

It is noted that claims 2 and 16 contain allowable subject matter, however, it is not understood why the indication of such in the Office Action includes a reference to a 35 U.S.C. §112, second paragraph rejection. No such rejection can be found in the Office Action.

Claim 27 stands rejected under 35 U.S.C. §102(b) as being anticipated by Chen et al. (U.S. Patent No. 5,999,958).

In response thereto, claim 27 has been amended to recite a decoder comprising an approximate inverse discrete cosine transform that decodes encoded digital image and video data by:

performing a plurality of data multiplications, each data multiplication having a data dependent value multiplied by a data independent value, the performance of each data multiplication by the transform requiring a predetermined quantity of computational resource units, the transform performing a selected one of the data multiplications if a determined maximum quantity of the computational resource units available for the selected data multiplication is sufficient for performing same, or the transform performing the selected data multiplication with a shift-operation that requires a quantity of computational resource units which is less than is required for performing the selected one data multiplication.

The subject matter added to claim 27 is similar to the subject matter recited in allowable claim 2. The patent issued to Chen et al. does not expressly or inherently describe such a decoder. Accordingly, withdrawal of this rejection is respectfully urged.

Claims 1, 3-11, 13-15 and 17-26 are rejected under 35 U.S.C. §103(a) as being obvious over Riolfo (U.S. Patent No. 4,849,922).

In response, independent claims 1 and 15 have been amended to include the subject matter of respective claims 2 and 16, which contain allowable subject matter. Thus, claims 1 and 15 are patentable over Riolfo.

Claims 3-11, 13, 14, and 17-26 are also patentable over Riolfo at least by virtue of their direct or indirect dependence upon allowable amended claims 1 or 15. Accordingly, withdrawal of this rejection is respectfully urged.

Claim 12 is rejected under 35 U.S.C. 103(a) as being obvious over Riolfo (U.S. Patent No. 4,849,922), as applied to claim 1 above, in view of Chen et al. (U.S. Patent No. 5,999,958).

Claim 12 is patentable over Riolfo in view of Chen et al. at least by virtue of its dependence upon allowable amended claim 1. Accordingly, withdrawal of this rejection is respectfully urged.


Claim 28 is rejected under 35 U.S.C. 103(a) as being obvious over Chen et al. (U.S. Patent No. 5,999,958), as applied to claim 27 above, in view of Riolfo (U.S. Patent No. 4,849,922).

This rejection is moot as the subject matter of claim 28 has been added to allowable claim 27 and claim 28 has been canceled. Accordingly, withdrawal of this rejection is respectfully urged.

Favorable reconsideration of this application is respectfully requested as it is believed that all outstanding issues have been addressed herein and, further, that claims 1, 3-15 and 17-27 are in condition for allowance, early notification of which is earnestly solicited. Should there be any questions or matters whose resolution may be advanced by a telephone call, the examiner is cordially invited to contact applicants' undersigned attorney at his number listed below.

The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CFR 1.16 and any patent application processing fees under 37 CFR 1.17, which are associated with this communication, or credit any overpayment to Deposit Account No. 50-2061.

Respectfully submitted,



Paul A. Schwarz
Reg. No. 37,577

Duane Morris LLP
100 College Road West, Suite 100
Princeton, NJ 08540
609-919-4408 - Tel
609-919-4401 - Fax